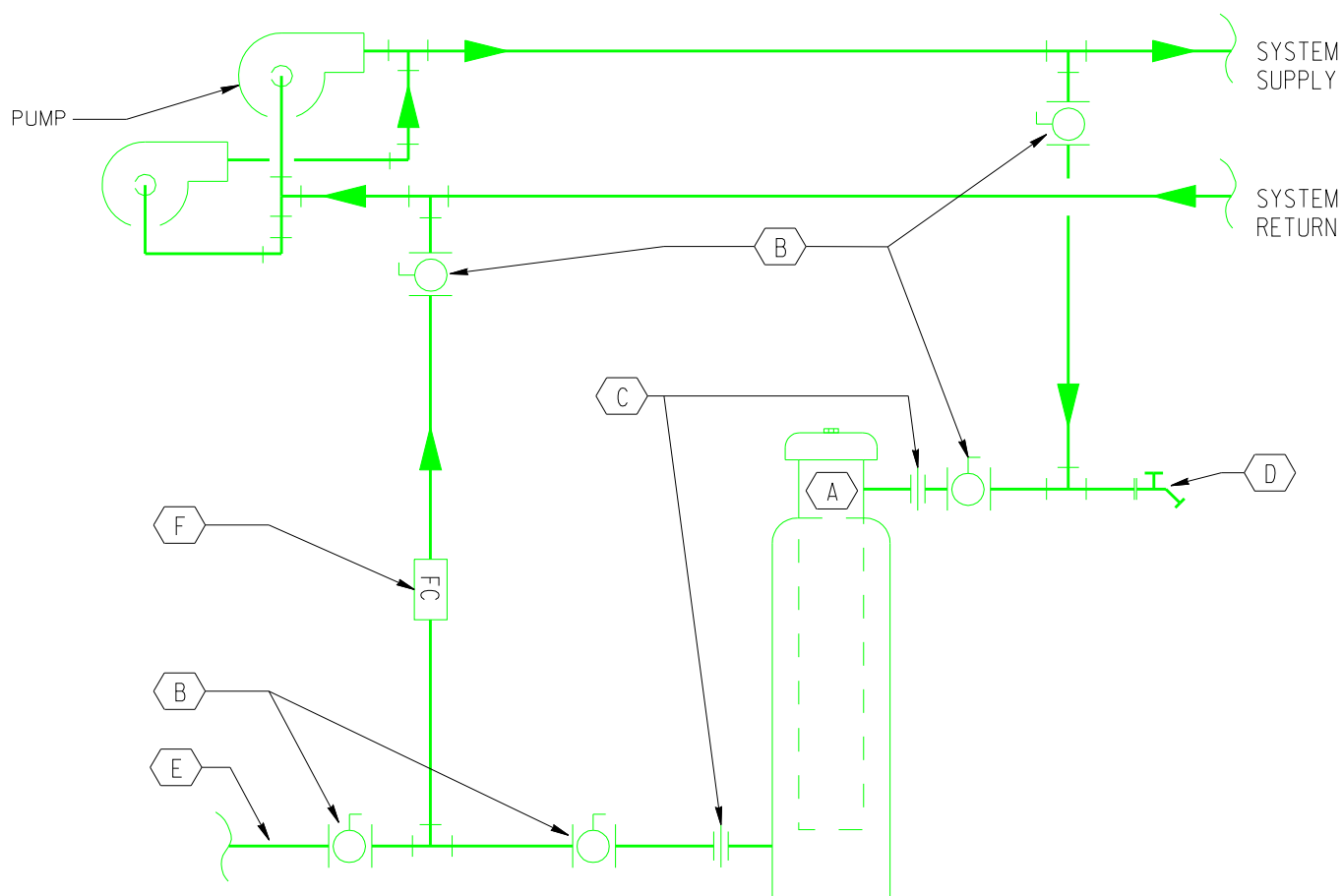


PREPARED BY: E. L. GORE	SANDIA NATIONAL LABORATORIES FACILITIES ENGINEERING	DETAIL NO.: MP5013
CHECKED BY: D. STEPHENS		SCALE: NONE
DATE: 04/20/06	REV: A	MECHANICAL STANDARD
BY-PASS FEEDER		



- (A) FILTER / FEEDER:** EFFICIENCY DYNAMICS INC. NO. FF-1 00, 5-GALLON, OPERATING PRESSURE UP TO 150 PSIG, OPERATING TEMPERATURE UP TO 200° F. MAXIMUM FLOW 40 GPM / PRESSURE DROP 3 PSI. STANDARD MODEL TO INCLUDE STAINLESS STEEL FILTER BAG SCREEN. REPLACEMENT FILTER IS A 5 MICRON POLYPROPYLENE BAG FILTER. SUPPORT AT FLOOR OR WALL AT A MAXIMUM HEIGHT OF 6' ABOVE FINISHED FLOOR. UPON COMPLETION OF SYSTEM PRESSURE TESTING AND FLUSHING, WATER TREATMENT CHEMICALS SHALL BE ADDED TO PROVIDE A CONCENTRATION AS DETERMINED BY AN SNL WATER TREATMENT CONSULTANT.
- (B) BALL VALVE:** FULL PORT BALL FOR ISOLATION AND REGULATING FLOW THROUGH THE FILTER/FEEDER.
- (C) UNION:** PROVIDE UNIONS AT UNIT FOR SERVICING.
- (D) HOSE BIBB:** PROVIDE HOSE BIBB BETWEEN INLET ISOLATION VALVE AND FILTER / FEEDER FOR CHEMICAL SAMPLING.
- (E) DRAIN LINE:** ROUTE DRAIN LINE TO NEAREST FLOOR DRAIN.
- (F) FLOW CONTROL CIRCUIT SETTER** SET AT 5% OF TOTAL SYSTEM FLOW.